DB2 for Linux, UNIX and Windows

DB2 installation on Windows

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This presentation describes various installation methods for DB2® version 9.1, 9.5, 9.7, and version 10.1 on a Windows® operating system. This presentation provides step by step instructions for installing DB2 on Windows using Setup.exe graphical user interface.

The IBM Passport Advantage website houses DB2 installation images and permanent licenses for entitled clients. The URL to the website is displayed on this slide.

DB2 product can be downloaded as a server fix pack from the DB2 Fix Pack download website also. The URL to the website is also displayed on this slide.

The Server Fix Pack includes the base product and the fix code, hence, it is a full installation. It includes only the trial license. The permanent license for DB2 can he downloaded from the IBM Passport Advantage website only.

DB2 product – Fix Central (1 of 6)

- DB2 installation images available
  - http://www-01.ibm.com/support/docview.wss?uid=swg27007053

Use this page to download a DB2 fix pack for the installed DB2 product you have. DB2 Fix Pack images are delivered from Fix Central. Fix Packs are cumulative. Included are links for DB2 Universal Fix Pack, DB2 Server Fix Pack, DB2 Connect, Net Search Extender, Spatial Extender, Query Patroller, DB2 Client, DB2 Run-Time Client, DB2 Wrappers, and all drivers (ODBC, CLI, JDBC, .NET). Click on the fix pack to view it.

DB2 Fix Packs:

DB2 10.5	DB2 10.1	DB2 9.8	DB2 9.7	DB2 9.5	DB2 9.1	DB2 8.2
GA	Fix Pack 2	Fix Pack 5	Fix Pack 8	Fix Pack 10	Fix Pack 12	Fix Pack 18
	Fix Pack 1	Fix Pack 4	Fix Pack 7	Fix Pack 9	Fix Pack 11	Fix Pack 17a
	GA	Fix Pack 3	Fix Pack 6	Fix Pack 8	Fix Pack 10	Fix Pack 17
			Fix Pack 5	Fix Pack 7	Fix Pack 9	Fix Pack 16
			Fix Pack 4	Fix Pack 6a	Fix Pack 8	Fix Pack 15
			Fix Pack 3a	Fix Pack 5	Fix Pack 7a	Fix Pack 14
			Fix Pack 3	Fix Pack 4a	Fix Pack 7	Fix Pack 13
			Fix Pack 2	Fix Pack 4	Fix Pack 6a	Fix Pack 12
			Fix Pack 1	Fix Pack 3b	Fix Pack 6	Fix Pack 11
			GA	Fix Pack 3a	Fix Pack 5	Fix Pack 10
				Fix Pack 3	Fix Pack 4a	Fix Pack 9a
				Fix Pack 2a	Fix Pack 4	Fix Pack 8a
				Fix Pack 2	Fix Pack 3a	Fix Pack 8
				Fix Pack 1	Fix Pack 3	Fix Pack 7
				GA	Fix Pack 2a	
					Fix Pack 2	
					Fix Pack 1	

The DB2 LUW installation images can be downloaded from IBM Fix Central. Choose the appropriate DB2 version and fix pack and click the link.

DB2 product – Fix Central (2 of 6)

DB2 Version 9.7 Fix Pack 8 for Linux, UNIX, and Windows

Downloadable files

Abstract

Contains links to download DB2® 9.7 Fix Pack 8, servers, extenders, clients and drivers from Fix Central for AIX, HP-UX, Linux, Solaris, and Windows operating systems.

Download Description

Signature: 9.7.0.8	Build level: s130316	Release Date: 29.March.2013

Fix Pack Summary of changes
HIPER and Security APARs
DB2 9.7 APAR Fix List
Release Notes

Download fix pack images per operating system

- ▶ AIX 64-bit, on pSeries
- ▶ HP-UX 64-bit, Itanium® based HP Integrity Series
- ▶ Linux 32-bit, x86-32 on AMD and Intel®
- ▶ Linux 64-bit, x86-64 on AMD64 and Intel EM64T
- ▶ Linux 64-bit, POWER™ (PowerPC®, iSeries®, pSeries®)
- ▶ Linux 64-bit, System z®, System z9® or zSeries®
- ▶ Solaris 64-bit, SPARC, on UltraSPARC or SPARC64
- ▶ Solaris 64-bit, x86-64, on Intel® 64 or AMD64
- ➜ ▶ Windows 32-bit, x86, on Intel® or AMD
- ➜ ▶ Windows 64-bit, x86, on AMD64 and Intel® EM64T

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Choose the operating system of the server where you want to install by clicking the triangle near the operating system.

DB2 product – Fix Central (3 of 6)

Once you click the triangle, all the available DB2 products for that operating system are listed. In the screen capture displayed on this slide, DB2 products for Windows 32 bit are listed. Click the DB2 Server Fix Pack which includes the DB2 base product and the fix code, which is a full DB2 product. Once you click that, you are redirected to Fix Central.

After signing in with your IBM ID, options are provided to download using the Download Director or HTTP. Choose your preferred method to download and save the image to the server.

DB2 product – Fix central (5 of 6)

Download files using HTTP
Information Management, DB2 (9.7.*, Windows 32-bit, x86)

Download files using your web browser

Click the download link next to each file to download it.

Order number:	93073938
Total size:	568.41 MB

fix pack: DB2-nt32-server-9.7.800.717-FP008   More Information

DB2 9.7 Fix Pack 8 for Windows/x86-32 (32 bit), DB2 Server Fix Pack

The following files implement this fix.

± v9.7fp8_nt32_server.exe (568.41 MB)

    Back

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The screen capture displayed on this slide has DB2 version 9.7, fix pack 8 chosen to download using HTTP.

New DB2 installation using setup.exe
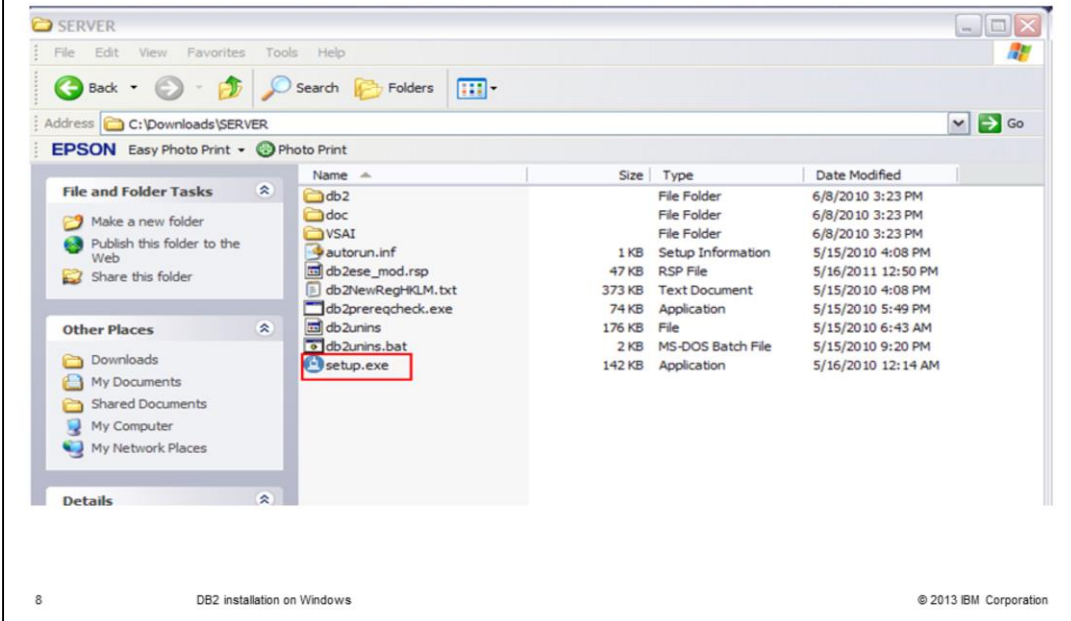
Once the image is downloaded, extract the image to any valid directory locally on the Windows server. The extracted image has the setup.exe. Double click setup.exe to launch the launchpad.
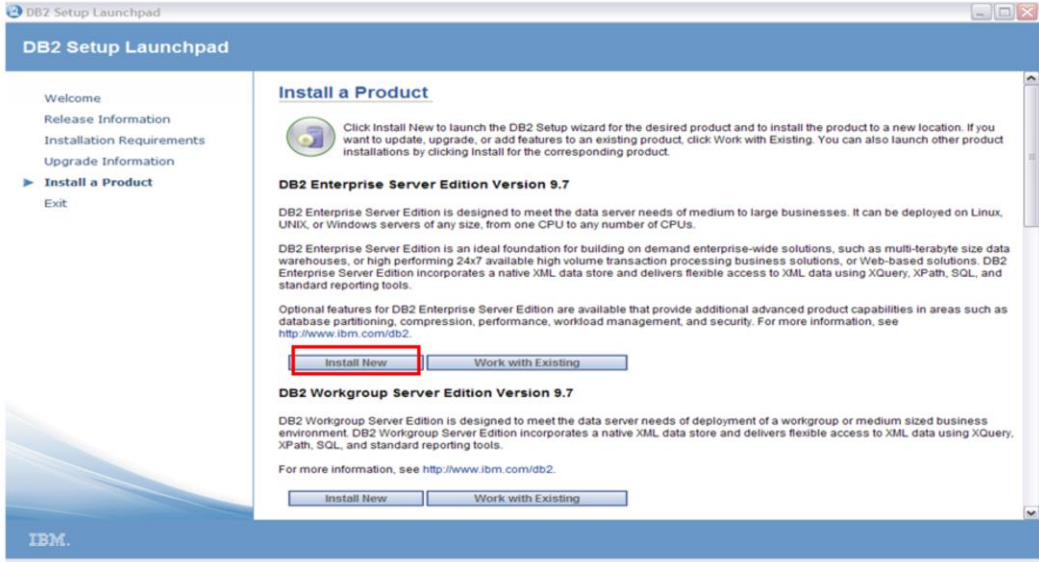
If the operating system of the server is Windows 2008 and Windows Vista or higher, right click Setup.exe and choose "Run as administrator" explicitly to prevent any user access control issues.

DB2 installation launchpad (1 of 2)

DB2 Setup Launchpad

► **Welcome**
Release Information
Installation Requirements
Upgrade Information
Install a Product
Exit

Welcome to DB2 Version 9.7

The DB2 Setup Launchpad gives you access to all of the information that you need to install your DB2 products and features for Linux, UNIX, and Windows operating systems.

To access more information about the DB2 products available for installation or to perform an installation, select from the tabs provided. You can find more product information by searching the Information Center.

Search Information Center

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Choose the Install a Product link on the left panel.

DB2 installation launchpad (2 of 2)

IBM

DB2 Setup Launchpad

- Welcome
- Release Information
- Installation Requirements
- Upgrade Information
- ► **Install a Product**
- Exit

Install a Product

Click Install New to launch the DB2 Setup wizard for the desired product and to install the product to a new location. If you want to update, upgrade, or add features to an existing product, click Work with Existing. You can also launch other product installations by clicking Install for the corresponding product.

DB2 Enterprise Server Edition Version 9.7

DB2 Enterprise Server Edition is designed to meet the data server needs of medium to large businesses. It can be deployed on Linux, UNIX, or Windows servers of any size, from one CPU to any number of CPUs.

DB2 Enterprise Server Edition is an ideal foundation for building on demand enterprise-wide solutions, such as multi-terabyte size data warehouses, or high performing 24x7 available high volume transaction processing business solutions, or Web-based solutions. DB2 Enterprise Server Edition incorporates a native XML data store and delivers flexible access to XML data using XQuery, XPath, SQL, and standard reporting tools.

Optional features for DB2 Enterprise Server Edition are available that provide additional advanced product capabilities in areas such as database partitioning, compression, performance, workload management, and security. For more information, see http://www.ibm.com/db2.

[Install New] [Work with Existing]

DB2 Workgroup Server Edition Version 9.7

DB2 Workgroup Server Edition is designed to meet the data server needs of deployment of a workgroup or medium sized business environment. DB2 Workgroup Server Edition incorporates a native XML data store and delivers flexible access to XML data using XQuery, XPath, SQL, and standard reporting tools.

For more information, see http://www.ibm.com/db2.

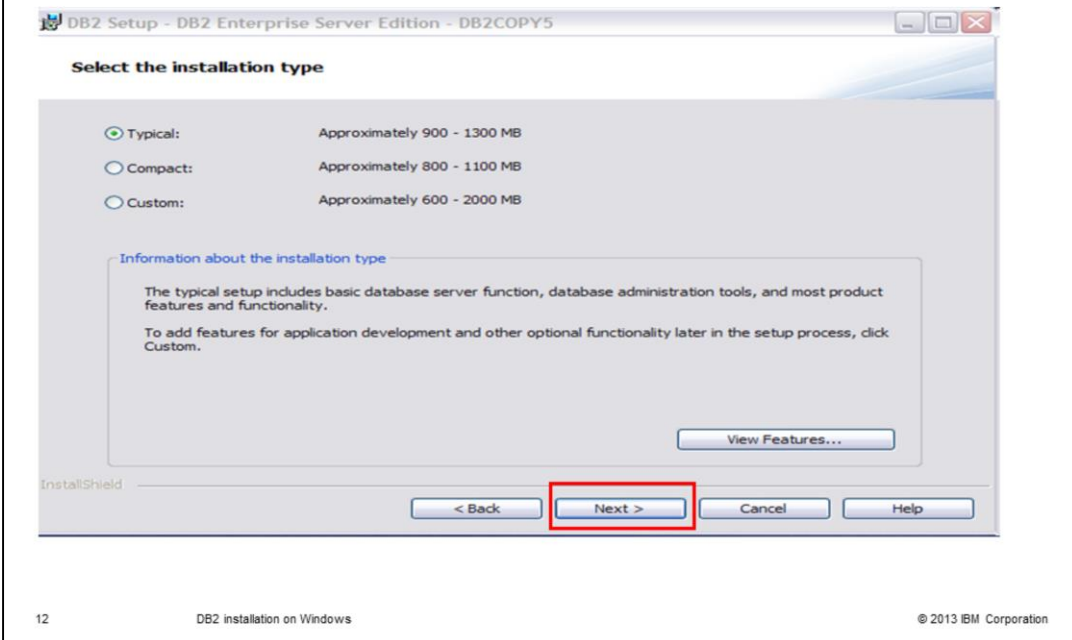[Install New] [Work with Existing]

IBM.

10   DB2 installation on Windows   © 2013 IBM Corporation

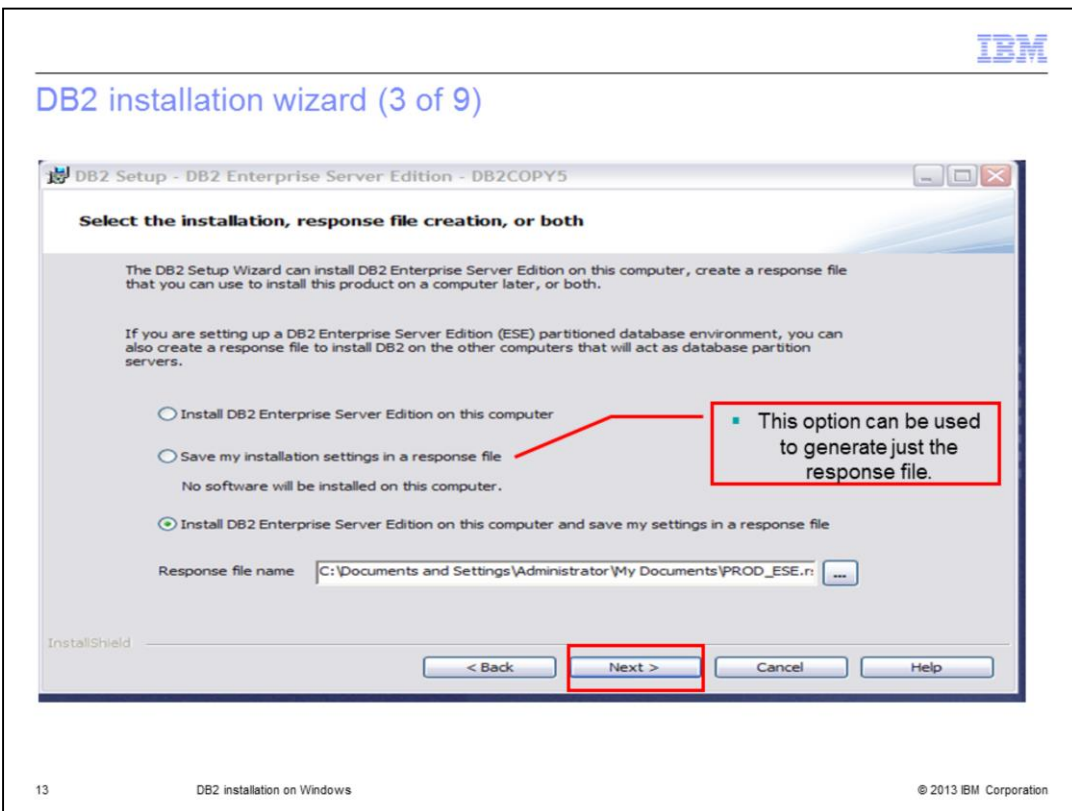Choose the DB2 product editions you want to install and click the Install New button.
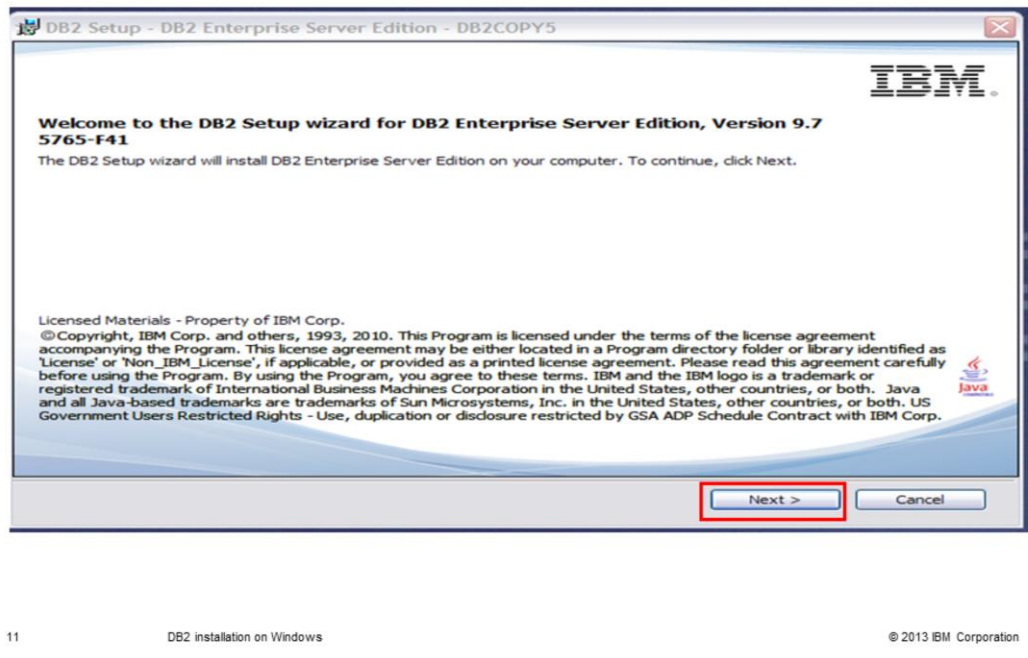
Once you choose the Install New option, the installation Wizard starts. Click Next.

DB2 installation wizard (2 of 9)

DB2 Setup - DB2 Enterprise Server Edition - DB2COPY5

Select the installation type

○ Typical: Approximately 900 - 1300 MB

○ Compact: Approximately 800 - 1100 MB

○ Custom: Approximately 600 - 2000 MB

Information about the installation type

The typical setup includes basic database server function, database administration tools, and most product features and functionality.

To add features for application development and other optional functionality later in the setup process, click Custom.

View Features...

InstallShield

< Back   Next >   Cancel   Help

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Choose your preferred installation type. Choose Typical if you want to install all the components of the DB2 server. This is the default and recommended installation method.

If you choose Compact, only base client support and JDBC and ODBC support features are installed.

If you choose Custom, you can choose the specific DB2 features and components you want to install from the installation image. Then, click Next.

DB2 installation wizard (3 of 9)

Select the installation, response file creation, or both

The DB2 Setup Wizard can install DB2 Enterprise Server Edition on this computer, create a response file that you can use to install this product on a computer later, or both.

If you are setting up a DB2 Enterprise Server Edition (ESE) partitioned database environment, you can also create a response file to install DB2 on the other computers that will act as database partition servers.

○ Install DB2 Enterprise Server Edition on this computer

○ Save my installation settings in a response file

No software will be installed on this computer.

⦿ Install DB2 Enterprise Server Edition on this computer and save my settings in a response file

Response file name   C:\Documents and Settings\Administrator\My Documents\PROD_ESE.r

- This option can be used to generate just the response file.

The next screen has options to create a response file of the current DB2 installation.

A response file is an English-only text file that contains setup and configuration information. A response file specifies configuration and setup parameters and the products and components to install.

Unlike the DB2 Setup wizard, a DB2 response file installation lets you install DB2 products without any user interaction. This method is useful not only for large-scale deployments of DB2 products, but also for embedding the DB2 installation process transparently inside your customized installation and configuration procedure.

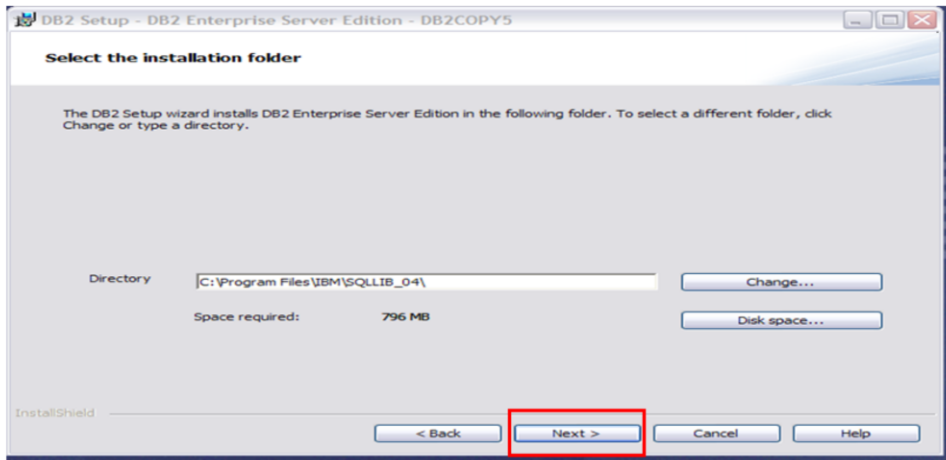The first option is to install just DB2 on this computer only, no response file is created.

The second option is to generate just the response file that you can use to install the same product on different computers later. No DB2 product is installed on that server.

The third option is to install DB2 on this computer and to generate a response file to install DB2 with the same configuration on other computers. This is the default option.

You can choose your preferred option.

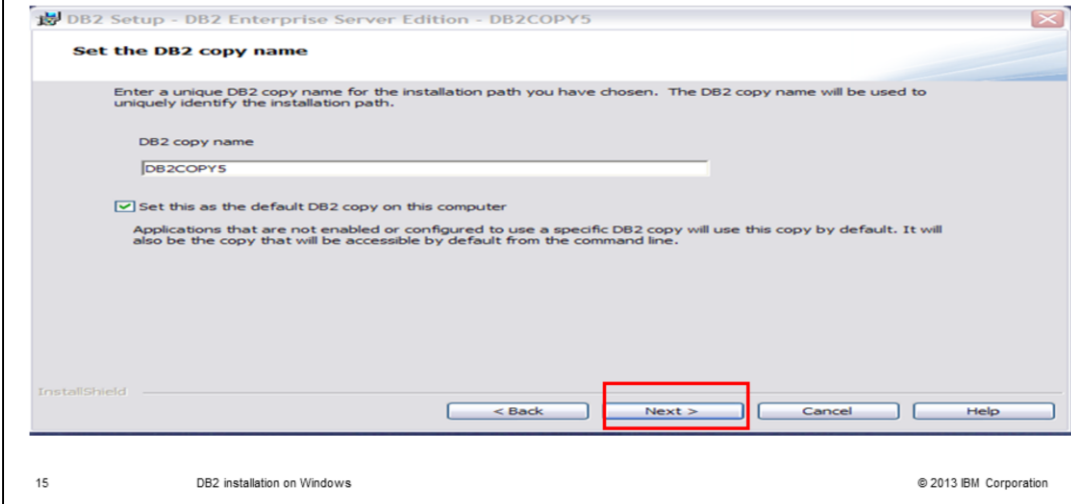## DB2 installation wizard (4 of 9)

- Choose installation path

DB2 Setup - DB2 Enterprise Server Edition - DB2COPY5

Select the installation folder

The DB2 Setup wizard installs DB2 Enterprise Server Edition in the following folder. To select a different folder, click Change or type a directory.

Directory   C:\Program Files\IBM\SQLLIB_04\   [Change...]

Space required: 796 MB   [Disk space...]

InstallShield   [< Back] [Next >] [Cancel] [Help]

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In the next screen, choose the installation path of your choice. The path is automatically created and DB2 files are created under that path.

Specify the unique copy name of your choice. The DB2 copy name is used to uniquely identify the installation path. Click the check box to set the copy as the default DB2 copy on this computer. The default DB2 copy is the DB2 copy that is used by applications that access DB2 database products through the default interface. Click Next.

DB2 installation wizard (6 of 9)

- Configure DB2 instance

DB2 Setup - DB2 Enterprise Server Edition - DB2COPY5

Configure DB2 instances

The following instances will be created during installation. You can customize the configurations by clicking on the Configure button.

DB2 Instances:

DB2_04

Configure...

Instance description

The default instance, DB2_04, stores application data.

You can build a partitioned database environment by installing DB2 Enterprise Server Edition on other computers, and specify that these computers participate in the default instance.

InstallShield

< Back   Next >   Cancel   Help

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The instance name is generated by default. You can configure the port number the instance listens to by clicking the 'Configure' button. Click Next.

On Windows operating systems, each DB2 instance runs as a DB2 service and the instance owner is the user ID running the DB2 instance service.

Specify the user account you want to have as the instance owner. The user account must belong to the *Administrators* group on the computer where you will perform the installation.

A local or domain user account is required for the DB2 instance because the instance is run as a Windows service and the service is executing in the security context of the user account. When you use a domain user account to perform a database operation against a DB2 instance, the DB2 service needs to access the domain to authenticate and search for the user's group membership. By default, a domain will only allow a domain user to query the domain and hence, the DB2 service needs to be running in the security context of a domain user. An error will occur if you use a domain user account to perform a database operation against a DB2 service running with either a Local user account or a LocalSystem account.

You can create the DB2 instance user account before installing DB2 or you can have the DB2 Setup wizard create it for you. If you want to have the DB2 Setup wizard create a new domain user account, the user account you use to perform the installation must have authority to create domain user accounts. This account is granted user rights to act as part of the operating system, debug programs, create a token object and increase quotas. Other user rights include lock pages in memory, log on as a service, and replace a process level token.

Click Next.

DB2 installation wizard (8 of 9)

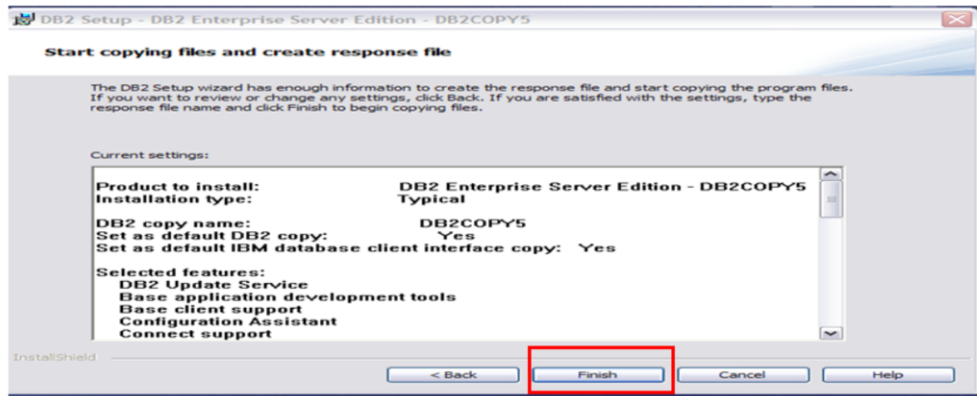- Operating system security for DB2 objects

Enable operating system security for DB2 objects

Specify if you would like to enable operating system security for DB2 files, folders, registry keys, and other objects on your computer. If you enable this security, operating system access to DB2 objects will be limited to the groups specified below.

☑ Enable operating system security

Information on the DB2 administrators group and DB2 users group is available by clicking Help.

DB2 administrators group
Domain   None - use local group
Group name   DB2ADMNS

DB2 users group
Domain   None - use local group
Group name   DB2USERS

< Back   Next >   Cancel   Help

18   DB2 installation on Windows   © 2013 IBM Corporation

Starting in DB2 version 8.2, DB2 introduced a new feature that secures access to DB2 resources by exploiting the security features in the NTFS file system and other security features of the Windows operating system. It does that mainly by modifying the Access Control Lists of DB2 files, registry entries and run-time memory objects.

During a typical installation of DB2 on Windows, extended security is enabled by default. DB2 will by default create the DB2ADMNS and DB2USERS groups. If there is a conflict with existing group names, you are prompted to change the group names. If required, you can specify your own values.

Only users who belong to one of these groups have access to the DB2 system files, registry keys, network shares, and DB2 services on the local machine where DB2 runs. If you want to disable the enhanced Windows security, you can deselect the Enable operating system security check box on the Enable operating system security for DB2 objects panel.

DB2 installation wizard (9 of 9)

- Current setting summary

DB2 Setup - DB2 Enterprise Server Edition - DB2COPY5

Start copying files and create response file

The DB2 Setup wizard has enough information to create the response file and start copying the program files. If you want to review or change any settings, click Back. If you are satisfied with the settings, type the response file name and click Finish to begin copying files.

Current settings:

```
Product to install:              DB2 Enterprise Server Edition - DB2COPY5
Installation type:               Typical

DB2 copy name:                   DB2COPY5
Set as default DB2 copy:                  Yes
Set as default IBM database client interface copy:   Yes

Selected features:
   DB2 Update Service
   Base application development tools
   Base client support
   Configuration Assistant
   Connect support
```

InstallShield

[< Back] [**Finish**] [Cancel] [Help]

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The summary of the configuration of DB2 to be installed is listed. Review the features to be installed and click Finish to complete the installation. This will install the new DB2 copy on the server.
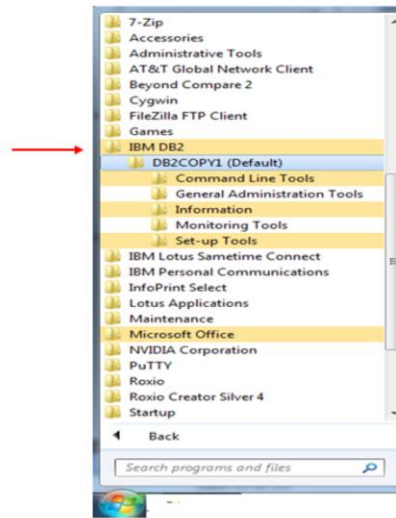
Once the installation is complete, IBM DB2 and the DB2 Copy name is added to the Windows Start menu. Using the menu, all DB2 components such as DB2 Command Window and other tools can be accessed.